

## ExcellMater Seminars on Medical imaging and Biological characterization of biomaterials

June 21-23, 2023, Faculty of Technology and Metallurgy, Belgrade

	TOPIC	Time (CET)	Speaker
<b>WEDNESDAY 21.06. <i>Medical imaging</i></b>			
	Opening and welcome	9:00 - 9:10	Petar Uskoković (FTM)
	ExcellMater introduction	9:10 - 9:20	Bojana Obradović (FTM)
1	Microscopic methods in biomedical research – approaches for analysis	9:20 - 10:30	Christoph Sprecher (ARI)
	Coffee break	10:30 - 11:00	
2	Scanning with a clinical CT <i>in vivo</i> & <i>ex vivo</i> - Theory and applications	11:00 - 12:00	Dominic Gehweiler (ARI)
3	Analysing interactions between implants and tissue - different applications in animals and humans	12:00 – 13:00	Christoph Sprecher (ARI)
	Lunch break	13:00 – 14:00	
4	Scanning with a micro-CT <i>in vivo</i> & <i>ex vivo</i> - Theory and applications	14:00 – 15:00	Dominic Gehweiler (ARI)
<b>THURSDAY 22.06. <i>Biological characterization of biomaterials</i></b>			
1	Design and characterization of <i>in vitro</i> 3D tissues by combining cells&biomaterials	9:30 - 10:30	Andrea Cochis (UPO)
	Coffee break	10:30 - 11:00	
2	Genetic high throughput analysis of cells cultivated/differentiated in <i>in vitro</i> 3D models	11:00 - 12:00	Farah Daou (UPO)
3	Protein high throughput analysis of tissues cultivated <i>in vitro</i> by 3D models	12:00 – 13:00	Marcello Manfredi (UPO)
	Lunch break	13:00 – 14:00	
	Demonstration of PCR	14:00 – 16:00	Stevo Jovandić (Directorate of National Reference Laboratories)
<b>FRIDAY 23.06. <i>In vivo medical imaging</i></b>			
1	<i>In vitro</i> / <i>in vivo</i> monitoring, part I	9:30 - 10:30	Esther Wehrle (ARI)
	Coffee break	10:30 - 11:00	
2	<i>In vitro</i> / <i>in vivo</i> monitoring, part II	11:00 - 12:00	Esther Wehrle (ARI)
3	Ultrasound imaging of stents in neuroangiology	12:00 – 12:30	Vesna Paunović, MD, neurology spec. (Special Hospital "Sveti Sava")
	Lunch break	12:30 – 13:30	
	Confocal microscopy demonstration	13:30 – 15:30	Filip Petrović (ELTA)